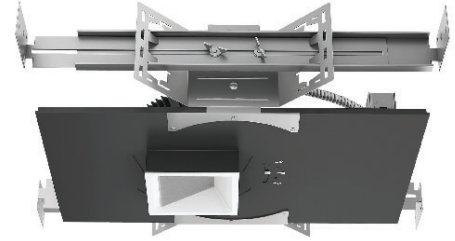
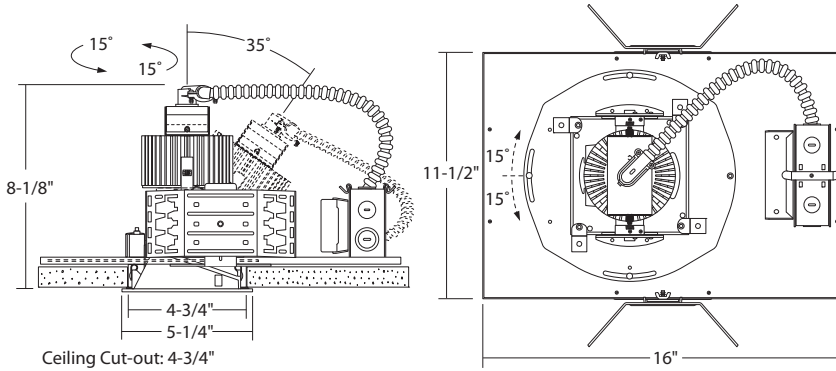


LHAJLDQ4 - 4" LUMENBLAST

ADJUSTABLE ACCENT & LENSED WALL WASH, SQUARE, 1500LM - 5000LM

- Accent with a range of adjustability up to 35°
- Illuminate up to 70' ceilings
- Four trim finishes
- Highly efficient COB (Chip on Board) LED



LHAJLDQ4

ORDERING – Example: LHAJLDQ420C050UE-DUN-B45-TWD-FS/LRAQ472S

LHAJLDQ4

Fixture Lumen Control Beam Spread Color Temperature Frame Options / Trim



Fixture	Lumen	Control	Beam Spread	Color Temperature	Frame Options	Trim		
Adjustable Downlight	LHAJLDQ4	Control ³ Non-Dimming Remote Driver TRIAC/ELV Dimming (120V) 0-10V Dimming (120V/277V) UniDim™ 0-10V, TRIAC/ELV Dimming 10% Wireless Enocean Adapter (120V/277V) DMX Dimming with input via XLR5 (120V/277V) DMX Dimming with input via RJ45 (120V/277V) 1% 0-10V Dimming (120V/277V) 0-10V Dimming (347V) Lutron Hi-Lume (120V/277V) 1%, 2-Wire Incandescent (120V) Athena Wireless Node (120V) UniSense - Remotely Mounted Motion/Photosensor (120V) UniSense - Remotely Mounted Motion/Photosensor Casambi Wireless Dimming BubblyNet Wireless System Lutron Vive Wireless Dimming Module	Blank -RMT -DIN UE-D10 UE-DUN UE-DEN UE-DMXLR5 UE-DMXRJ45 UE-D10P1 -347-D10 UE-DHL DINP1 -AWN -SUN-RMT⁸ -SUN-RMT-1227⁸ -DCSM⁷ -DBNT⁷ -VIVE⁷	15° Narrow Spot 25° Narrow Flood 45° Flood 60° Wide Flood	2700K, 80 CRI 2700K, 90 CRI 3000K, 80 CRI 3000K, 90CRI 3500K, 80 CRI 4000K, 80 CRI Warm dimming 1850K-3000K Tunable White 2700K-6500K	-B15 -B25 -B45 -B60 -T27 -T27-C90 -T30 -T30-C90 -T35 -T40 -TWD⁴ -TTW⁵	None Generator Transfer Device Single Fuse 10W Emergency Battery Full Power Emergency Inverter Full Power Emergency Inverter (347V) C-Channel Hanger Bar Set Adjustable C-Channel Hanger Bar Set Trim (Open Adjustable) All White All Black All Satin Haze Satin Haze/White Trim (Frosted Lens Wall Wash) All White All Black All Satin Haze Satin Haze/White	Blank -GTD -FS -EM -EMAC⁶ -EMAC 347⁶ C260 C260-J LRAQ472W LRAQ472B LRAQ472S LRAQ472SW LRAQ471W LRAQ471B LRAQ471S LRAQ471SW

¹ Available in -B25, -B45, and -B60 Beam Spread only.

² Not available with Lutron Hi-lume driver.

³ All drivers are 120V/277V unless otherwise noted.

⁴ Warm Dimming only available for 1500lm, 2000lm & 2500lm options.

⁵ Tunable White only available with 0-10V signal via "UE-D10P1" option or DMX signal via "UE-DMX" option for 2000lm, 3000lm & 3500lm option only.

⁶ Check wiring diagrams.

⁷ Special Order.

⁸ (-SUN-RMT) sensor sent with mounting clips for existing ceiling applications.

OPTIONS

/C260
C-Channel Hanger Bar Set



/C260-J
Adjustable C-Channel Hanger Bar Set



SPECIFICATION

Applications

The 4" LumenBlast housing is designed for medium to high ceiling heights and is available as an adjustable accent that can be angled to 35°. With four trim options and four trim finishes, the luminaire offers the versatility and high lumen output that is ideal for classrooms, office lobbies and retail applications.

Housing Frame

16 gauge galvanized plaster ring with powder coat finish, six friction clips secure trim to housing for ceilings up to 2 1/4" thick.

Mounting

Housing suitable for new construction installations only, Bat-Wing bar hanger brackets adjust vertically 3 1/4" for multiple ceiling types and accepts 1/2" EMT. 26" Channel Strut for T-bar ceilings and 27" adjustable linear hanger bars for plaster ceilings or wood/metal joists. Heavy duty 16-gauge, die-formed galvanized steel. Bar hangers optional.

Optics

LED Light Engine - COB (Chip on Board) LED is replaceable via quick disconnect terminal. Meets CA Title 24 Requirements and other standards restricting the use of Medium Base or Bi-Pin Sockets.

Beam Spread - Available in 15° Narrow Spot (B15), 25° Narrow Flood (B25), 45° Flood (B45), 60° Wide Flood (B60).

Color Temperature - Comes standard with 3000K Warm White LEDs binned to 3-step MacAdam ellipses within the ANSI C78 377A standard for color temperature and chromaticity ranges light binning allowance. Also available in 2700K, 3500K and 4000K.

Color Rendering Index - Comes standard with 80 CRI. 90 CRI option also available with 2700K and 3000K.

Warm Dimming - Optional from 1850K to 3500K. Only available for 1500lm, 2000lm & 2500lm options.

Tunable White - Optional with correlated color temperature range from 2700K to 5500K. Only available with 0-10V signal via "UE-D10P1" option or DMX signal via "UE-DMX" option for 2000lm, 3000lm & 3500lm option only.

Lumen Maintenance - Minimum 50,000 hours L70 life based on ANSI TM-21 calculations from LM80 standardized test results.

Thermal Management

Effective thermal dissipation facilitated by integral cast-aluminum, heat sink design for maximum heat rejection to provide long LED life.

Trims

Open adjustable trims are available in all White (LRAQ472W), all Black (LRAQ472B), all Satin Haze (LRAQ472B), and Satin Haze/White (LRAQ472SW). Frosted lens wall wash trims are available in all White (LRAQ471W), all Black (LRAQ4721), all Satin Haze (LRAQ471B), and Satin Haze/White (LRAQ471SW).

Certifications and Listings

ETL/cETL listed to UL1598 and UL8750. Suitable for dry and damp locations.

Caution

Fixtures must be grounded in accordance with national, state and/or local electrical codes. Failure to do so may result in serious personal injury.

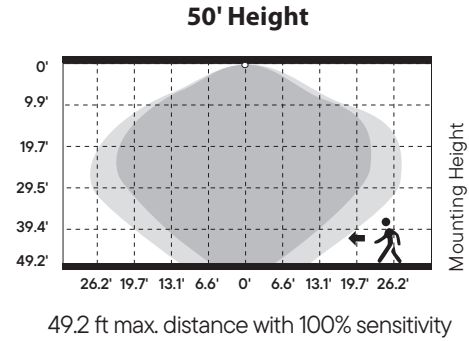
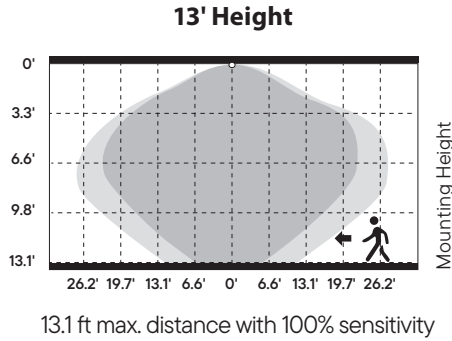
Warranty

Covered by an industry leading 12 Year Warranty for UniDim™ fixtures and 5 years for other driver options to be free of defects in materials and craftsmanship. Recommended for applications where ambient temperatures do not exceed 35°C (95°F), installations exceeding this temperature will result in reduced LED lamp life and a voided warranty.

SPECIFICATION

Unisense[™] PROGRAMMABLE MOTION + DAYLIGHT (-SUN-RMT, -SUN-RMT-1227)

- Microwave and PIR (Passive Infrared) sensors depending on option
- Daylight harvesting
- Dusk/dawn sensing capabilities
- Motion Sensor



Well Detected Area
 Possibly Detected Area

 1.6-3.3 ft/s

SPECIFICATION

EMERGENCY BATTERY (-EM): 10W

- Must be installed in Dry Locations
- 10W constant output to LED lamp

Not rated for outdoor mounting. Damp location rated.

-EM Lumen Data (Battery)

Fixture/Trim	LHAJLDQ412C025
Fixture Wattage:	9W
Fixture Lumens:	1500
Multiplier:	1.11
EM Lumens:	1670

Fixture/Trim	LHAJLDQ415C035
Fixture Wattage:	11W
Fixture Lumens:	2000
Multiplier:	0.91
EM Lumens:	1820

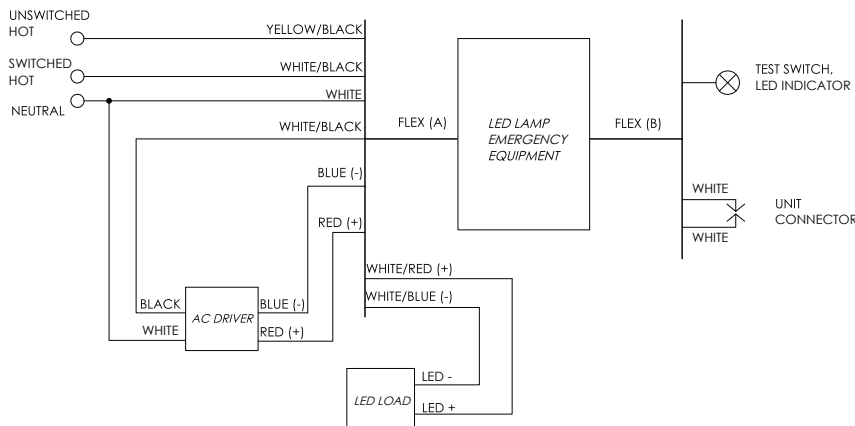
Fixture/Trim	LHAJLDQ420C050
Fixture Wattage:	19W
Fixture Lumens:	2500
Multiplier:	0.53
EM Lumens:	1330

Fixture/Trim	LHAJLDQ425C070
Fixture Wattage:	28W
Fixture Lumens:	3000
Multiplier:	0.36
EM Lumens:	1080

Fixture/Trim	LHAJLDQ430C85
Fixture Wattage:	39W
Fixture Lumens:	3500
Multiplier:	0.27
EM Lumens:	950

Fixture/Trim	LHAJLDQ435C105
Fixture Wattage:	44W
Fixture Lumens:	4500
Multiplier:	0.23
EM Lumens:	1040

Fixture/Trim	LHAJLDQ450C140
Fixture Wattage:	60W
Fixture Lumens:	5000
Multiplier:	0.17
EM Lumens:	850



Input Voltage:	120-277VAC/60Hz
Output Voltage:	10W
Wattage:	10W
Switching Time:	<1s
Charging Time:	24h
Operating Time:	90 minutes
Minimum Temperature:	0°C
Maximum Temperature:	50°C
Self-Diagnostic:	No

SPECIFICATION

FULL POWER EMERGENCY INVERTER (-EMAC or -EMAC347): 9W - 60W

- Must be installed in Dry Locations
- Wattage package will determine battery sent; corresponding wiring diagrams below
- 170 VDC output to AC DRIVER during EM mode

Not rated for outdoor mounting. Damp location rated.

-EMAC Lumen Data (Battery)

Fixture/Trim	LHAJLDQ412C025
Fixture Wattage:	9W
Fixture Lumens:	1500
EM Lumens:	1500

Fixture/Trim	LHAJLDQ415C035
Fixture Wattage:	11W
Fixture Lumens:	2000
EM Lumens:	2000

Fixture/Trim	LHAJLDQ420C050
Fixture Wattage:	19W
Fixture Lumens:	2500
EM Lumens:	2500

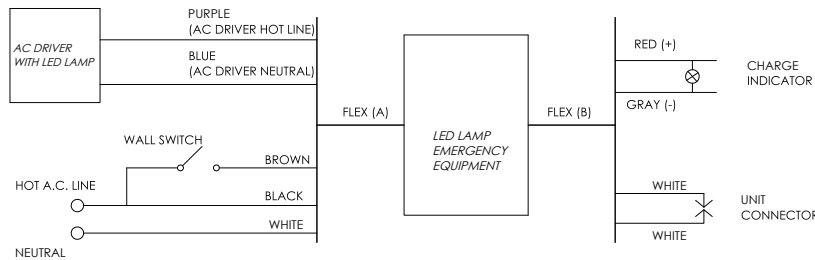
Fixture/Trim	LHAJLDQ425C070
Fixture Wattage:	28W
Fixture Lumens:	3000
EM Lumens:	3000

Fixture/Trim	LHAJLDQ430C85
Fixture Wattage:	39W
Fixture Lumens:	3500
EM Lumens:	3500

Fixture/Trim	LHAJLDQ435C105
Fixture Wattage:	44W
Fixture Lumens:	4500
EM Lumens:	4500

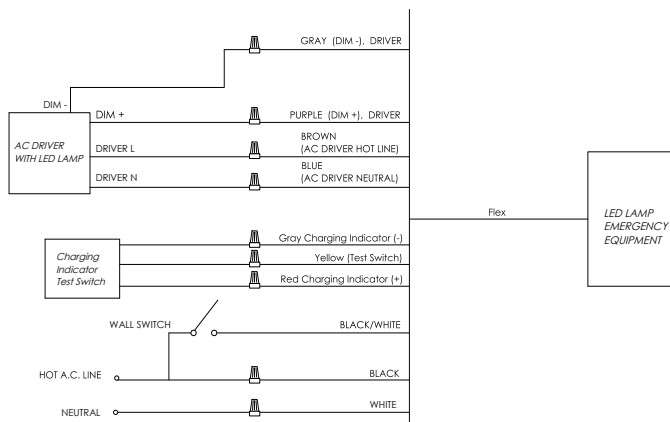
Fixture/Trim	LHAJLDQ450C140
Fixture Wattage:	60W
Fixture Lumens:	5000
EM Lumens:	5000

<25W LOAD



Input Voltage:	120-277VAC/60Hz
Output Voltage:	170VDC (120VAC Equivalent)
Wattage:	25W
Switching Time:	<1s
Charging Time:	24h
Operating Time:	90 minutes
Minimum Temperature:	0°C
Maximum Temperature:	50°C
Self-Diagnostic:	No

<40W LOAD

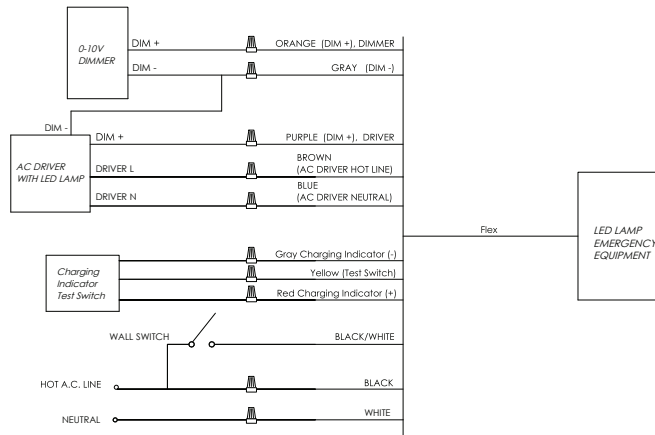


Input Voltage:	120-277VAC or 347VAC/60Hz
Output Voltage:	170VDC (120VAC Equivalent)
Wattage:	40W
Switching Time:	<1s
Charging Time:	24h
Operating Time:	90 minutes
Minimum Temperature:	0°C
Maximum Temperature:	50°C
Self-Diagnostic:	Yes

SPECIFICATION

>40W LOAD

- 0-10V dimmable driver required

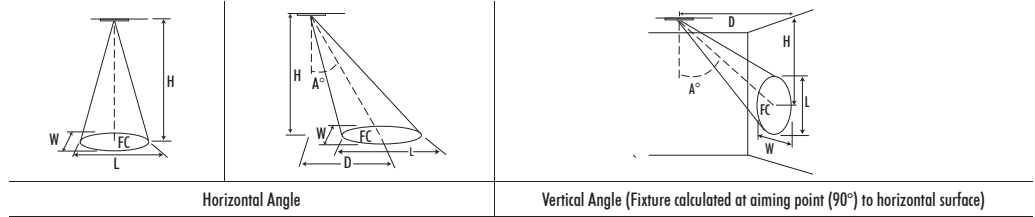


Input Voltage:	120-277VAC or 347VAC/60Hz
Output Voltage:	170VDC (120VAC Equivalent)
Wattage:	60W
Switching Time:	<1s
Charging Time:	24h
Operating Time:	90 minutes
Minimum Temperature:	0°C
Maximum Temperature:	50°C
Self-Diagnostic:	Yes

PHOTOMETRY

NOMINAL LUMEN PACKAGE:	1500lm	2000lm	2500lm	3000lm	3500lm	4500lm	5000lm
SYSTEM POWER:	9W	11W	19W	28W	39W	44W	60W

D = Distance from ceiling to ground/wall
 H = Distance to FC center of beam
 FC = Footcandles
 W = Beam width
 L = Beam length



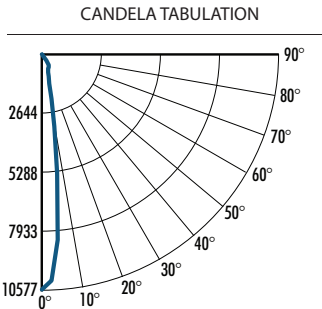
LHAJLDQ412C025UE-DUN-B15-T40/LRAQ472W (1500lm, 15°, 4000K)

System Power:	9.0W
Test Date:	6/4/2018
Beam Angle 50%:	15.5°
Field Angle 0%:	34.9°
Color Temp. (CCT):	4000K
CRI:	80
Lumens Delivered:	1797.9
CBCP:	10577
Power Factor:	> 0.9

No Angle Tilt (0°)					Angle A° = 20°					Angle A° = 20°					Angle A° = 35°				
H	FC	W	L		H	D	FC	W	L	D	H	FC	W	L	D	H	FC	W	L
6.0'	294	1.6'	1.6'		6.0'	2.2'	244	1.7'	1.9'	4.0'	11.0'	26	3.2'	10.8'	4.0'	5.7'	125	1.9'	3.4'
8.0'	165	2.2'	2.2'		8.0'	2.9'	137	2.3'	2.5'	6.0'	16.5'	12	4.8'	16.2'	6.0'	8.6'	55	2.8'	5.2'
10.0'	106	2.7'	2.7'		10.0'	3.6'	88	2.9'	3.1'	8.0'	22.0'	7	6.4'	21.6'	8.0'	11.4'	31	3.8'	6.9'
12.0'	73	3.3'	3.3'		12.0'	4.4'	61	3.5'	3.7'	10.0'	27.5'	4	8.0'	27.1'	10.0'	14.3'	20	4.7'	8.6'
14.0'	54	3.8'	3.8'		14.0'	5.1'	45	4.1'	4.3'	12.0'	33.0'	3	9.5'	32.5'	12.0'	17.1'	14	5.7'	10.3'

MULTIPLIERS

Lumen	CCT
5000lm : 2.73	4000K : 1.00
4500lm : 2.40	3500K : 0.93
3500lm : 2.08	3000K : 0.93
3000lm : 1.92	2700K : 0.87
2500lm : 1.79	
2000lm : 1.35	
1500lm : 1.00	
CRI	
	80 CRI : 1.00
	90 CRI : 0.80



Trim (Lensed): 0.75

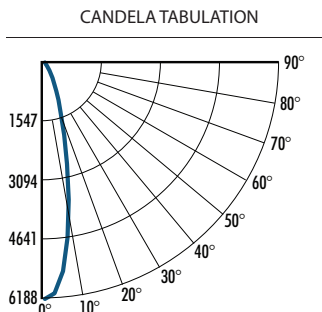
LHAJLDQ412C025UE-DUN-B25-T40/LRAQ472W (1500lm, 25°, 4000K)

System Power:	9.0W	(Tilted at 30°) 9.0W
Test Date:	6/4/2018	6/4/2018
Beam Angle 50%:	23.2°	24.5°
Field Angle 0%:	47.4°	51.5°
Color Temp. (CCT):	4000K	4000K
CRI:	80	80
Lumens Delivered:	1478.2	1523.9
CBCP:	6188	5717
Power Factor:	> 0.9	> 0.9

No Angle Tilt (0°)					Angle A° = 20°					Angle A° = 20°					Angle A° = 35°				
H	FC	W	L		H	D	FC	W	L	D	H	FC	W	L	D	H	FC	W	L
6.0'	172	2.5'	2.5'		6.0'	2.2'	143	2.6'	2.8'	4.0'	11.0'	15	4.8'	20.6'	4.0'	5.7'	73	2.9'	5.5'
8.0'	97	3.3'	3.3'		8.0'	2.9'	80	3.5'	3.7'	6.0'	16.5'	7	7.2'	30.9'	6.0'	8.6'	32	4.3'	8.2'
10.0'	62	4.1'	4.1'		10.0'	3.6'	51	4.4'	4.7'	8.0'	22.0'	4	9.6'	41.2'	8.0'	11.4'	18	5.7'	10.9'
12.0'	43	4.9'	4.9'		12.0'	4.4'	36	5.2'	5.6'	10.0'	27.5'	2	12.0'	51.5'	10.0'	14.3'	12	7.2'	13.7'
14.0'	32	5.7'	5.7'		14.0'	5.1'	26	6.1'	6.5'	12.0'	33.0'	2	14.4'	61.8'	12.0'	17.1'	8	8.6'	16.4'

MULTIPLIERS

Lumen	CCT
5000lm : 3.60	4000K : 1.00
4500lm : 3.15	3500K : 0.93
3500lm : 2.31	3000K : 0.93
3000lm : 1.92	2700K : 0.87
2500lm : 1.79	
2000lm : 1.35	
1500lm : 1.00	
CRI	
	80 CRI : 1.00
	90 CRI : 0.80



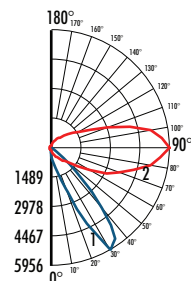
Trim (Lensed): 0.75

MULTIPLIER (Tilted at 30°)

Lumen

5000lm : 3.44
4500lm : 3.02
3500lm : 2.11
3000lm : 1.75
2500lm : 1.72
2000lm : 1.35
1500lm : 1.00

CANDELA TABULATION (Tilted at 30°)

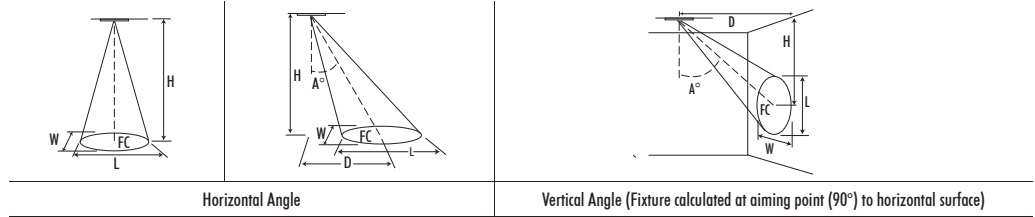


1 - Vertical Plane Through Horizontal Angles (0 - 180) (Through Max. Cd.)
 # 2 - Horizontal Cone Through Vertical Angle (35) (Through Max. Cd.)

PHOTOMETRY

NOMINAL LUMEN PACKAGE:	1500lm	2000lm	2500lm	3000lm	3500lm	4500lm	5000lm
SYSTEM POWER:	9W	11W	19W	28W	39W	44W	60W

D = Distance from ceiling to ground/wall
 H = Distance to FC center of beam
 FC = Footcandles
 W = Beam width
 L = Beam length



LHAJLDQ412C025UE-DUN-B45-T40/LRAQ472W (1500lm, 45°, 4000K)

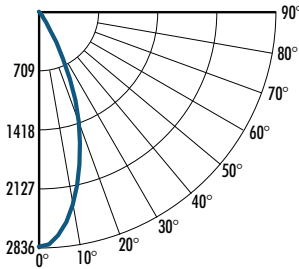
System Power:	9.0W	(Tilted at 30°)	9.0W
Test Date:	6/5/2018		6/5/2018
Beam Angle 50%:	36.2°		36.2°
Field Angle 0%:	65.3°		65.3°
Color Temp. (CCT):	4000K		4000K
CRI:	80		80
Lumens Delivered:	1421.6		1465.8
CBCP:	2836		2765
Power Factor:	>0.90		>0.90

No Angle Tilt (0°)				Angle A° = 20°				Angle A° = 20°				Angle A° = 35°						
H	FC	W	L	H	D	FC	W	L	D	H	FC	W	L	D	H	FC	W	L
6.0'	39	6.4'	6.4'	6.0'	2.2'	33	6.8'	7.5'	4.0'	11.0'	4	12.4'		4.0'	5.7'	17	7.4'	30.5'
8.0'	22	8.5'	8.5'	8.0'	2.9'	18	9.1'	10.0'	6.0'	16.5'	2	18.7'		6.0'	8.6'	7	11.1'	45.8'
10.0'	14	10.6'	10.6'	10.0'	3.6'	12	11.3'	12.5'	8.0'	22.0'	1	24.9'		8.0'	11.4'	4	14.8'	61.1'
12.0'	10	12.8'	12.8'	12.0'	4.4'	8	13.6'	15.0'	10.0'	27.5'	1	31.1'		10.0'	14.3'	3	18.5'	76.3'
14.0'	7	14.9'	14.9'	14.0'	5.1'	6	15.8'	17.5'	12.0'	33.0'	0	37.3'		12.0'	17.1'	2	22.2'	91.6'

MULTIPLIERS	
Lumen	CCT
5000lm : 3.60	4000K : 1.00
4500lm : 3.16	3500K : 0.93
3500lm : 2.07	3000K : 0.93
3000lm : 1.72	2700K : 0.87
2500lm : 1.79	
2000lm : 1.34	CRI
1500lm : 1.00	80 CRI : 1.00
	90 CRI : 0.80

Trim (Lensed): 0.75

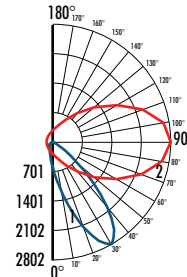
CANDELA TABULATION



MULTIPLIER (Tilted at 30°)

Lumen
5000lm : 3.61
4500lm : 3.15
3500lm : 1.97
3000lm : 1.64
2500lm : 1.80
2000lm : 1.34
1500lm : 1.00

CANDELA TABULATION (Tilted at 30°)



1 - Vertical Plane Through Horizontal Angles (0 - 180) (Through Max. Cd.)
 # 2 - Horizontal Cone Through Vertical Angle (35) (Through Max. Cd.)

LHAJLDQ412C025UE-DUN-B60-T40/LRAQ472W (1500lm, 60°, 4000K)

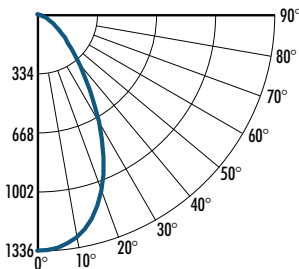
System Power:	9.0W
Test Date:	6/22/2018
Beam Angle 50%:	61.8°
Field Angle 0%:	114.3°
Color Temp. (CCT):	4000K
CRI:	80
Lumens Delivered:	1656
CBCP:	1336
Power Factor:	> 0.9

No Angle Tilt (0°)				Angle A° = 20°				Angle A° = 20°				Angle A° = 35°						
H	FC	W	L	H	D	FC	W	L	D	H	FC	W	L	D	H	FC	W	L
6.0'	37	7.2'	7.2'	6.0'	2.2'	31	7.6'	8.5'	4.0'	11.0'	3	14.0'		4.0'	5.7'	16	8.3'	54.0'
8.0'	21	9.6'	9.6'	8.0'	2.9'	17	10.2'	11.4'	6.0'	16.5'	1	21.0'		6.0'	8.6'	7	12.5'	81.0'
10.0'	13	12.0'	12.0'	10.0'	3.6'	11	12.7'	14.2'	8.0'	22.0'	1	28.0'		8.0'	11.4'	4	16.7'	108.0'
12.0'	9	14.4'	14.4'	12.0'	4.4'	8	15.3'	17.1'	10.0'	27.5'	1	35.0'		10.0'	14.3'	3	20.9'	135.0'
14.0'	7	16.8'	16.8'	14.0'	5.1'	6	17.8'	19.9'	12.0'	33.0'	0	42.0'		12.0'	17.1'	2	25.0'	162.0'

MULTIPLIERS	
Lumen	CCT
5000lm : 3.58	4000K : 1.00
4500lm : 3.12	3500K : 0.93
3500lm : 1.85	3000K : 0.93
3000lm : 1.54	2700K : 0.87
2500lm : 1.46	
2000lm : 1.34	CRI
1500lm : 1.00	80 CRI : 1.00
	90 CRI : 0.80

Trim (Lensed): 0.75

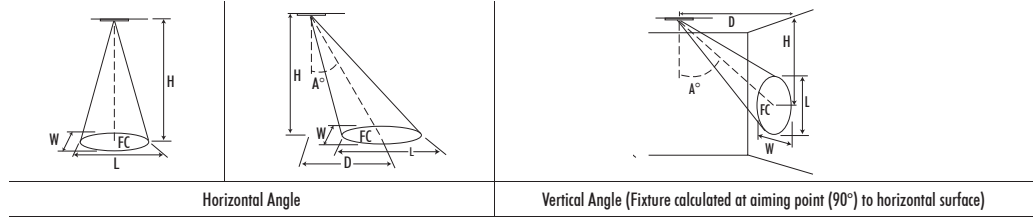
CANDELA TABULATION



PHOTOMETRY

NOMINAL LUMEN PACKAGE:	1500lm	2000lm	2500lm	3000lm	3500lm	4500lm	5000lm
SYSTEM POWER:	9W	11W	19W	28W	39W	44W	60W

D = Distance from ceiling to ground/wall
 H = Distance to FC center of beam
 FC = Footcandles
 W = Beam width
 L = Beam length

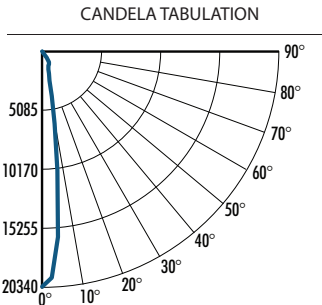


LHAJLDQ425C070UE-DUN-B15-T40/LRAQ472W (3000lm, 15°, 4000K)

System Power:	28.1W
Test Date:	6/4/2018
Beam Angle 50%:	15.5°
Field Angle 0%:	34.9°
Color Temp. (CCT):	4000K
CRI:	80
Lumens Delivered:	3457.4
CBCP:	20340
Power Factor:	> 0.9

No Angle Tilt (0°)				Angle A° = 20°				Angle A° = 20°				Angle A° = 35°						
H	FC	W	L	H	D	FC	W	L	D	H	FC	W	L	D	H	FC	W	L
6.0'	565	1.6'	1.6'	6.0'	2.2'	469	1.7'	1.9'	4.0'	11.0'	51	3.2'	10.8'	4.0'	5.7'	240	1.9'	3.4'
8.0'	318	2.2'	2.2'	8.0'	2.9'	264	2.3'	2.5'	6.0'	16.5'	23	4.8'	16.2'	6.0'	8.6'	107	2.8'	5.2'
14.0'	104	3.8'	3.8'	14.0'	5.1'	86	4.1'	4.3'	8.0'	22.0'	13	6.4'	21.6'	8.0'	11.4'	60	3.8'	6.9'
16.0'	79	4.4'	4.4'	16.0'	5.8'	66	4.6'	4.9'	10.0'	27.5'	8	8.0'	27.1'	10.0'	14.3'	38	4.7'	8.6'
20.0'	51	5.4'	5.4'	20.0'	7.3'	42	5.8'	6.2'	12.0'	33.0'	6	9.5'	32.5'	12.0'	17.1'	27	5.7'	10.3'

MULTIPLIERS	
Lumen	CCT
5000lm : 1.42	4000K : 1.00
4500lm : 1.25	3500K : 0.93
3500lm : 1.08	3000K : 0.93
3000lm : 1.00	2700K : 0.87
2500lm : 0.93	
2000lm : 0.70	CRI
1500lm : 0.52	80 CRI : 1.00
	90 CRI : 0.80



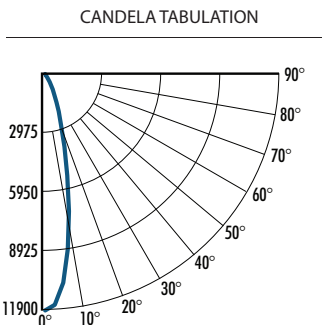
Trim (Lensed): 0.75

LHAJLDQ425C070UE-DUN-B25-T40/LRAQ472W (3000lm, 25°, 4000K)

System Power:	28.1W	(Tilted at 30°)	28.1W
Test Date:	6/4/2018		6/4/2018
Beam Angle 50%:	23.2°		24.9°
Field Angle 0%:	47.4°		51.6°
Color Temp. (CCT):	4000K		4000K
CRI:	80		80
Lumens Delivered:	2846.3		2682.3
CBCP:	11900		10031
Power Factor:	> 0.9		> 0.9

No Angle Tilt (0°)				Angle A° = 20°				Angle A° = 20°				Angle A° = 35°						
H	FC	W	L	H	D	FC	W	L	D	H	FC	W	L	D	H	FC	W	L
6.0'	331	2.5'	2.5'	6.0'	2.2'	274	2.6'	2.8'	4.0'	11.0'	30	4.8'	20.6'	4.0'	5.7'	140	2.9'	5.5'
8.0'	186	3.3'	3.3'	8.0'	2.9'	154	3.5'	3.7'	6.0'	16.5'	13	7.2'	30.9'	6.0'	8.6'	62	4.3'	8.2'
14.0'	61	5.7'	5.7'	14.0'	5.1'	50	6.1'	6.5'	8.0'	22.0'	7	9.6'	41.2'	8.0'	11.4'	35	5.7'	10.9'
16.0'	46	6.6'	6.6'	16.0'	5.8'	39	7.0'	7.5'	10.0'	27.5'	5	12.0'	51.5'	10.0'	14.3'	22	7.2'	13.7'
18.0'	37	7.4'	7.4'	18.0'	6.6'	30	7.9'	8.4'	12.0'	33.0'	3	14.4'	61.8'	12.0'	17.1'	16	8.6'	16.4'

MULTIPLIERS	
Lumen	CCT
5000lm : 1.87	4000K : 1.00
4500lm : 1.64	3500K : 0.93
3500lm : 1.20	3000K : 0.93
3000lm : 1.00	2700K : 0.87
2500lm : 0.93	
2000lm : 0.70	CRI
1500lm : 0.52	80 CRI : 1.00
	90 CRI : 0.80

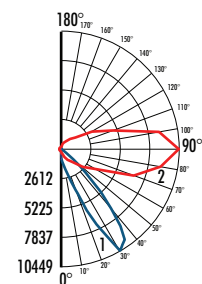


Trim (Lensed): 0.75

MULTIPLIER (Tilted at 30°)

Lumen
5000lm : 1.96
4500lm : 1.72
3500lm : 1.20
3000lm : 1.00
2500lm : 0.98
2000lm : 0.77
1500lm : 0.57

CANDELA TABULATION (Tilted at 30°)

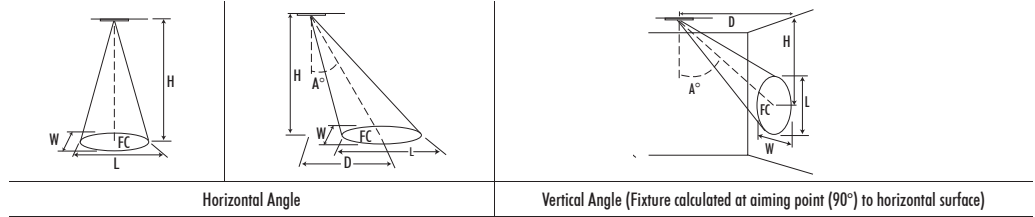


1 - Vertical Plane Through Horizontal Angles (0 - 180) (Through Max. Cd.)
 # 2 - Horizontal Cone Through Vertical Angle (35) (Through Max. Cd.)

PHOTOMETRY

NOMINAL LUMEN PACKAGE:	1500lm	2000lm	2500lm	3000lm	3500lm	4500lm	5000lm
SYSTEM POWER:	9W	11W	19W	28W	39W	44W	60W

D = Distance from ceiling to ground/wall
 H = Distance to FC center of beam
 FC = Footcandles
 W = Beam width
 L = Beam length



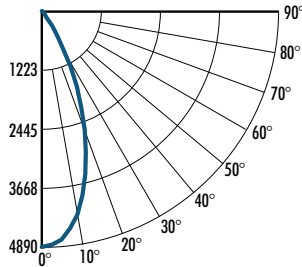
LHAJLDQ425C070UE-DUN-B45-T40/LRAQ472W (3000lm, 45°, 4000K)

System Power:	28.1W	(Tilted at 30°)	28.1W
Test Date:	5/14/2018		5/14/2018
Beam Angle 50%:	36.2°		36.2°
Field Angle 0%:	65.3°		65.3°
Color Temp. (CCT):	4000K		4000K
CRI:	80		80
Lumens Delivered:	2451.3		2403.4
CBCP:	4890		4533
Power Factor:	>0.90		>0.90

No Angle Tilt (0°)				Angle A° = 20°				Angle A° = 20°				Angle A° = 35°						
H	FC	W	L	H	D	FC	W	L	D	H	FC	W	L	D	H	FC	W	L
6.0'	68	3.7'	3.7'	6.0'	2.2'	57	3.9'	4.2'	4.0'	11.0'	6	7.2'	71.0'	4.0'	5.7'	29	4.3'	9.2'
8.0'	38	4.9'	4.9'	8.0'	2.9'	32	5.2'	5.6'	6.0'	16.5'	3	10.7'	106.5'	6.0'	8.6'	13	6.4'	13.8'
14.0'	13	8.6'	8.6'	14.0'	5.1'	10	9.1'	9.8'	8.0'	22.0'	2	14.3'	142.0'	8.0'	11.4'	7	8.5'	18.4'
16.0'	10	9.8'	9.8'	16.0'	5.8'	8	10.4'	11.2'	10.0'	27.5'	1	17.9'	177.5'	10.0'	14.3'	5	10.7'	23.0'
18.0'	8	11.0'	11.0'	18.0'	6.6'	6	11.7'	12.6'	12.0'	33.0'	1	21.5'	213.0'	12.0'	17.1'	3	12.8'	27.6'

MULTIPLIERS	
Lumen	CCT
5000lm : 2.09	4000K : 1.00
4500lm : 1.83	3500K : 0.93
3500lm : 1.20	3000K : 0.93
3000lm : 1.00	2700K : 0.87
2500lm : 1.04	
2000lm : 0.78	CRI
1500lm : 0.58	80 CRI : 1.00
	90 CRI : 0.80

CANDELA TABULATION



MULTIPLIER (Tilted at 30°)

Lumen
5000lm : 2.20
4500lm : 1.92
3500lm : 1.20
3000lm : 1.00
2500lm : 1.10
2000lm : 0.82
1500lm : 0.61

CANDELA TABULATION (Tilted at 30°)

Trim (Lensed): 0.75

1 - Vertical Plane Through Horizontal Angles (0 - 180) (Through Max. Cd.)
 # 2 - Horizontal Cone Through Vertical Angle (35) (Through Max. Cd.)

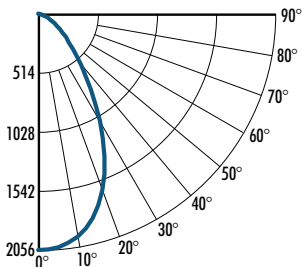
LHAJLDQ425C070UE-DUN-B60-T40/LRAQ472W (3000lm, 60°, 4000K)

System Power:	28.1W
Test Date:	6/22/2018
Beam Angle 50%:	61.7°
Field Angle 0%:	114.3°
Color Temp. (CCT):	4000K
CRI:	80
Lumens Delivered:	2547.6
CBCP:	2056
Power Factor:	> 0.9

No Angle Tilt (0°)				Angle A° = 20°				Angle A° = 20°				Angle A° = 35°						
H	FC	W	L	H	D	FC	W	L	D	H	FC	W	L	D	H	FC	W	L
6.0'	57	7.2'	7.2'	6.0'	2.2'	47	7.6'	8.5'	4.0'	11.0'	5	14.0'	4.0'	5.7'	24	8.3'	53.3'	
8.0'	32	9.6'	9.6'	8.0'	2.9'	27	10.2'	11.4'	6.0'	16.5'	2	21.0'	6.0'	8.6'	11	12.5'	80.0'	
10.0'	21	11.9'	11.9'	10.0'	3.6'	17	12.7'	14.2'	8.0'	22.0'	1	27.9'	8.0'	11.4'	6	16.7'	106.7'	
12.0'	14	14.3'	14.3'	12.0'	4.4'	12	15.3'	17.0'	10.0'	27.5'	1	34.9'	10.0'	14.3'	4	20.8'	133.3'	
14.0'	10	16.7'	16.7'	14.0'	5.1'	9	17.8'	19.9'	12.0'	33.0'	1	41.9'	12.0'	17.1'	3	25.0'	160.0'	

MULTIPLIERS	
Lumen	CCT
5000lm : 2.33	4000K : 1.00
4500lm : 2.03	3500K : 0.93
3500lm : 1.20	3000K : 0.93
3000lm : 1.00	2700K : 0.87
2500lm : 0.95	
2000lm : 0.87	CRI
1500lm : 0.65	80 CRI : 1.00
	90 CRI : 0.80

CANDELA TABULATION

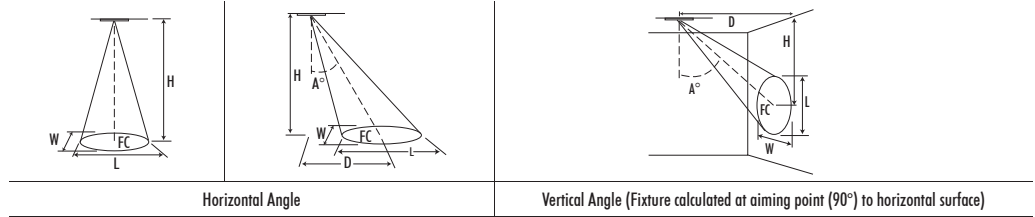


Trim (Lensed): 0.75

PHOTOMETRY

NOMINAL LUMEN PACKAGE:	1500lm	2000lm	2500lm	3000lm	3500lm	4500lm	5000lm
SYSTEM POWER:	9W	11W	19W	28W	39W	44W	60W

D = Distance from ceiling to ground/wall
 H = Distance to FC center of beam
 FC = Footcandles
 W = Beam width
 L = Beam length



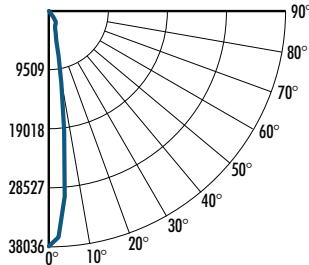
LHAJLDQ450C140UE-DUN-B15-T40/LRAQ472W (5000lm, 15°, 4000K)

System Power:	2/28/1900
Test Date:	6/5/2018
Beam Angle 50%:	15.5°
Field Angle 0%:	34.9°
Color Temp. (CCT):	4000K
CRI:	80
Lumens Delivered:	6465.5
CBCP:	38036
Power Factor:	> 0.9

No Angle Tilt (0°)					Angle A° = 20°					Angle A° = 20°					Angle A° = 35°				
H	FC	W	L		H	D	FC	W	L	D	H	FC	W	L	D	H	FC	W	L
8.0'	594	2.2'	2.2'		8.0'	2.9'	493	2.3'	2.5'	4.0'	11.0'	95	3.2'	10.8'	4.0'	5.7'	449	1.9'	3.4'
10.0'	380	2.7'	2.7'		10.0'	3.6'	316	2.9'	3.1'	6.0'	16.5'	42	4.8'	16.2'	6.0'	8.6'	199	2.8'	5.2'
20.0'	95	5.4'	5.4'		20.0'	7.3'	79	5.8'	6.2'	8.0'	22.0'	24	6.4'	21.6'	8.0'	11.4'	112	3.8'	6.9'
25.0'	61	6.8'	6.8'		25.0'	9.1'	50	7.2'	7.7'	10.0'	27.5'	15	8.0'	27.1'	10.0'	14.3'	72	4.7'	8.6'
30.0'	42	8.2'	8.2'		30.0'	10.9'	35	8.7'	9.3'	12.0'	33.0'	11	9.5'	32.5'	12.0'	17.1'	50	5.7'	10.3'

MULTIPLIERS	
Lumen	CCT
5000lm : 1.00	4000K : 1.00
4500lm : 0.88	3500K : 0.93
3500lm : 0.76	3000K : 0.93
3000lm : 0.70	2700K : 0.87
2500lm : 0.65	
2000lm : 0.49	CRI
1500lm : 0.37	80 CRI : 1.00
	90 CRI : 0.80

CANDELA TABULATION



Trim (Lensed): 0.75

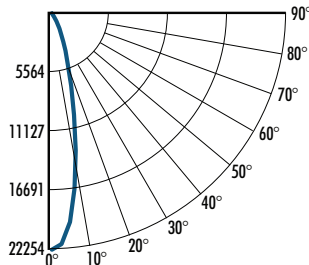
LHAJLDQ450C140UE-DUN-B25-T40/LRAQ472W (5000lm, 25°, 4000K)

System Power:	60.0W	(Tilted at 30°)	60.0W
Test Date:	6/5/2018		6/5/2018
Beam Angle 50%:	23.2°		24.9°
Field Angle 0%:	47.4°		51.6°
Color Temp. (CCT):	4000K		4000K
CRI:	80		80
Lumens Delivered:	5322.4		5337.7
CBCP:	22254		19962
Power Factor:	> 0.9		> 0.9

No Angle Tilt (0°)					Angle A° = 20°					Angle A° = 20°					Angle A° = 35°				
H	FC	W	L		H	D	FC	W	L	D	H	FC	W	L	D	H	FC	W	L
8.0'	348	3.3'	3.3'		8.0'	2.9'	289	3.5'	3.7'	4.0'	11.0'	56	4.8'	20.6'	4.0'	5.7'	262	2.9'	5.5'
10.0'	223	4.1'	4.1'		10.0'	3.6'	185	4.4'	4.7'	6.0'	16.5'	25	7.2'	30.9'	6.0'	8.6'	117	4.3'	8.2'
20.0'	56	8.2'	8.2'		20.0'	7.3'	46	8.7'	9.4'	8.0'	22.0'	14	9.6'	41.2'	8.0'	11.4'	66	5.7'	10.9'
25.0'	36	10.3'	10.3'		25.0'	9.1'	30	10.9'	11.7'	10.0'	27.5'	9	12.0'	51.5'	10.0'	14.3'	42	7.2'	13.7'
30.0'	25	12.3'	12.3'		30.0'	10.9'	21	13.1'	14.0'	12.0'	33.0'	6	14.4'	61.8'	12.0'	17.1'	29	8.6'	16.4'

MULTIPLIERS	
Lumen	CCT
5000lm : 1.00	4000K : 1.00
4500lm : 0.88	3500K : 0.93
3500lm : 0.64	3000K : 0.93
3000lm : 0.53	2700K : 0.87
2500lm : 0.50	
2000lm : 0.37	CRI
1500lm : 0.28	80 CRI : 1.00
	90 CRI : 0.80

CANDELA TABULATION

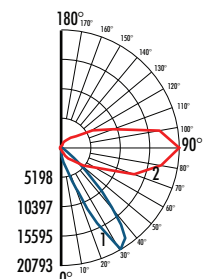


Trim (Lensed): 0.75

MULTIPLIER (Tilted at 30°)

Lumen
5000lm : 1.00
4500lm : 0.88
3500lm : 0.61
3000lm : 0.51
2500lm : 0.50
2000lm : 0.39
1500lm : 0.29

CANDELA TABULATION (Tilted at 30°)

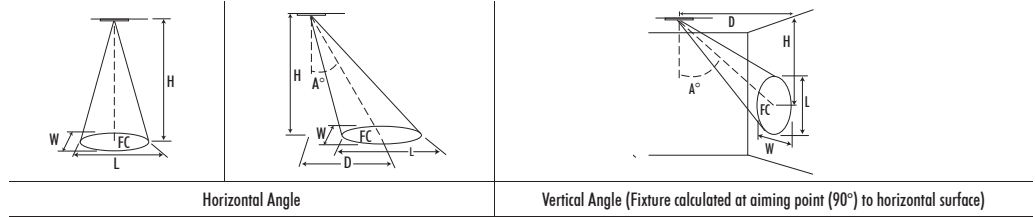


1 - Vertical Plane Through Horizontal Angles (0 - 180) (Through Max. Cd.)
 # 2 - Horizontal Cone Through Vertical Angle (35) (Through Max. Cd.)

PHOTOMETRY

NOMINAL LUMEN PACKAGE:	1500lm	2000lm	2500lm	3000lm	3500lm	4500lm	5000lm
SYSTEM POWER:	9W	11W	19W	28W	39W	44W	60W

D = Distance from ceiling to ground/wall
 H = Distance to FC center of beam
 FC = Footcandles
 W = Beam width
 L = Beam length



LHAJLDQ450C140UE-DUN-B45-T40/LRAQ472W (5000lm, 45°, 4000K)

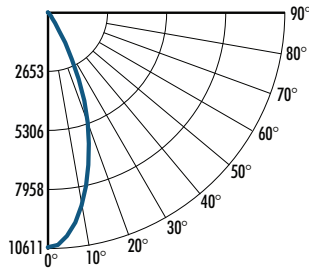
System Power:	60.0W	(Tilted at 30°)	60.0W
Test Date:	6/18/2018		6/18/2018
Beam Angle 50%:	36.2°		36.2°
Field Angle 0%:	65.3°		65.3°
Color Temp. (CCT):	4000K		4000K
CRI:	80		80
Lumens Delivered:	5319.3		5336.6
CBCP:	10611		10063
Power Factor:	>0.90		>0.90

No Angle Tilt (0°)				Angle A° = 20°				Angle A° = 20°				Angle A° = 35°						
H	FC	W	L	H	D	FC	W	L	D	H	FC	W	L	D	H	FC	W	L
8.0'	83	11.0'	11.0'	8.0'	2.9'	69	11.7'	13.3'	4.0'	11.0'	13	16.1'		4.0'	5.7'	63	9.6'	456.9'
10.0'	53	13.7'	13.7'	10.0'	3.6'	44	14.6'	16.6'	6.0'	16.5'	6	24.1'		6.0'	8.6'	28	14.4'	685.3'
20.0'	13	27.5'	27.5'	20.0'	7.3'	11	29.3'	33.2'	8.0'	22.0'	3	32.2'		8.0'	11.4'	16	19.2'	913.7'
25.0'	9	34.4'	34.4'	25.0'	9.1'	7	36.6'	41.5'	10.0'	27.5'	2	40.2'		10.0'	14.3'	10	24.0'	1142.1'
30.0'	6	41.2'	41.2'	30.0'	10.9'	5	43.9'	49.8'	12.0'	33.0'	1	48.2'		12.0'	17.1'	7	28.8'	1370.6'

MULTIPLIERS	
Lumen	CCT
5000lm : 1.00	4000K : 1.00
4500lm : 0.88	3500K : 0.93
3500lm : 0.57	3000K : 0.93
3000lm : 0.48	2700K : 0.87
2500lm : 0.50	
2000lm : 0.37	
1500lm : 0.28	
	CRI
	80 CRI : 1.00
	90 CRI : 0.80

Trim (Lensed): 0.75

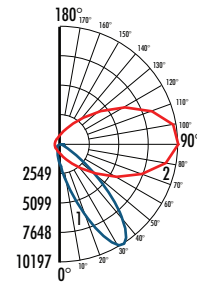
CANDELA TABULATION



MULTIPLIER (Tilted at 30°)

Lumen
5000lm : 1.00
4500lm : 0.87
3500lm : 0.55
3000lm : 0.45
2500lm : 0.50
2000lm : 0.37
1500lm : 0.28

CANDELA TABULATION (Tilted at 30°)



1 - Vertical Plane Through Horizontal Angles (0 - 180) (Through Max. Cd.)
 # 2 - Horizontal Cone Through Vertical Angle (35) (Through Max. Cd.)

LHAJLDQ450C140UE-DUN-B60-T40/LRAQ472W (5000lm, 60°, 4000K)

System Power:	60.0W
Test Date:	6/22/2018
Beam Angle 50%:	61.7°
Field Angle 0%:	114.3°
Color Temp. (CCT):	4000K
CRI:	80
Lumens Delivered:	6139.8
CBCP:	4954
Power Factor:	> 0.9

No Angle Tilt (0°)				Angle A° = 20°				Angle A° = 20°				Angle A° = 35°						
H	FC	W	L	H	D	FC	W	L	D	H	FC	W	L	D	H	FC	W	L
6.0'	138	7.2'	7.2'	6.0'	2.2'	114	7.6'	8.5'	4.0'	11.0'	12	14.0'		4.0'	5.7'	58	8.3'	53.3'
8.0'	77	9.6'	9.6'	8.0'	2.9'	64	10.2'	11.4'	6.0'	16.5'	6	21.0'		6.0'	8.6'	26	12.5'	80.0'
14.0'	25	16.7'	16.7'	14.0'	5.1'	21	17.8'	19.9'	8.0'	22.0'	3	27.9'		8.0'	11.4'	15	16.7'	106.7'
16.0'	19	19.1'	19.1'	16.0'	5.8'	16	20.3'	22.7'	10.0'	27.5'	2	34.9'		10.0'	14.3'	9	20.8'	133.3'
18.0'	15	21.5'	21.5'	18.0'	6.6'	13	22.9'	25.6'	12.0'	33.0'	1	41.9'		12.0'	17.1'	6	25.0'	160.0'

MULTIPLIERS	
Lumen	CCT
5000lm : 1.00	4000K : 1.00
4500lm : 0.87	3500K : 0.93
3500lm : 0.52	3000K : 0.93
3000lm : 0.43	2700K : 0.87
2500lm : 0.41	
2000lm : 0.37	
1500lm : 0.28	
	CRI
	80 CRI : 1.00
	90 CRI : 0.80

Trim (Lensed): 0.75

CANDELA TABULATION

